



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/624,434	07/22/2003	Frederick Allan Hall	3265-031396	6423
7590	07/06/2004		EXAMINER	
Russell D. Orkin WEBB ZIESENHEIM LOGSDON ORKIN & HANSON, P.C. 700 Koppers Building 436 Seventh Avenue Pittsburgh, PA 15219-1818			SAKRAN, VICTOR N	
			ART UNIT	PAPER NUMBER
			3677	
			DATE MAILED: 07/06/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/624,434	HALL, FREDERICK ALLAN
	Examiner	Art Unit
	VICTOR N SAKRAN	3677

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) Responsive to communication(s) filed on 22 July 2003.
- 2a) This action is FINAL.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-6,8-14 and 16-25 is/are rejected.
- 7) Claim(s) 7 and 15 is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_\_

**DETAILED ACTION**

***Claim Objections***

**Claim 6, is objected to because of the following informalities:** since the term “may be” as recited in line 2, of said claim is vague and not a positive recitation. Appropriate correction is required.

***Claim Rejections - 35 USC § 112***

**Claims 14, 16, and 17, are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention, since the term “the roller recesses) as recited in claim 14, and the term “the rollers” as recited in claims 16 and 17, have no proper antecedent basis in said claims or the parent claim from which they depend.**

***Claim Rejections - 35 USC § 102***

**The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:**

**A person shall be entitled to a patent unless –**

Art Unit: 3677

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

**Claims 1-5, 8, 10 -14, 16, 22, and 24, are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Gois U. S. Patent No. 5,505,013; see Figures 8,9; column 5, lines 59-67; column 6, lines 8-13, and lines 58-63.**

***Claim Rejections - 35 USC § 103***

**The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:**

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

**The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:**

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

**Claims 6, 9, and 17, are rejected under 35 U.S.C. 103(a) as being unpatentable over Gois U. S. Patent No. 5,505,013 in view of Rogelja U. S. Patent No. 5,918,701.**

Gois discloses Applicant's claimed combination of a hook fastener comprising a generally C-shaped body having its free ends curved towards each other defining a gap therebetween, and a solid gate having a locking means for closing said gap, said body including first recess means formed at one end of said body and a second recess means formed at the second end of said body, and a roller (26) disposed at one end of said body within said first recess, and a second roller (90) disposed at the second end of said body within the second recess of said body, except that Gois does not show or disclose a pair of rollers that may be provided side by side on said body; see Figures 8,9; column 5, lines 59-67; column 6, lines 8-13, and lines 58-63. Rogelja teaches the use of a pair of rotatable sleeves (rollers) (13a, 13b) Figure 2, or rotatable sleeves (rollers) (51, 52, 53) Figure 4, disposed side by side on the body of karabiner in a hook fastener device assembly; see Figures 1,2, 4; column 3, lines 36-40. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide one of the recesses at the end of the body in Gois with a pair of rollers and to disposed side by side within its recess instead of the use of just one roller in the manner taught, disclosed and suggested by Rogelja, especially, since such modification by using a pair of rollers instead of using just one roller involves only routine skill in the art.

Art Unit: 3677

**As to the use of rollers formed of split components as recited in claim 17, is considered to be no more than a matter of design choice to one having ordinary skill in the art since the use of a roller formed of split components is conventional and well known in the art.**

**Claims 18-20, are rejected under 35 U.S.C. 103(a) as being unpatentable over the same reference as applied to claim 1, above, and further in view of Worker U. S. Patent No. 5,463,798 who disclosed a karabiner comprising a main body provided with recess means, (groove) (24) for receiving a belt (strap) (25); see Figures 9-11, and column 4, lines 44-47, and to further provide the body in Gois with a recess means for receiving a strap in order to secure its hook to a support structure if so desired, in the manner taught, disclosed and suggested by Wurzer, it would have been obvious to one having ordinary skill in the art at the time the invention was made.**

**Claims 21, 22, 24, and 25, are rejected under 35 U.S.C. 103(a) as being unpatentable over the same reference as applied to claim 1, above, and further in view of Choate U. S. Patent No. 6,161,264 who discloses a safety hook fastener comprising a spring loaded, solid gate (22), a locking element (36) and a ring formed at one end (72) of the body (14) of its hook (10) and to modify the mounting of the gate in Gois as a spring-loaded gate, and a ring to be formed at one end of its body in order to perform the desired function for attaching its hook**

Art Unit: 3677

**to a support structure in the manner taught, disclosed and suggested by Choate, it would have been obvious to one having ordinary skill in the art at the time the invention was made, especially, since such modification involves only routine skill in the art.**

**Furthermore, Applicant is reminded that in considering the disclosure of a reference, it is proper to take into account not only specific teaching of the reference but also the inferences which one skilled in the art would reasonably be expected to draw therefrom; see In re Preda, 401 F2d 825, 826, 159 USPQ 342,344 (CCPA1968).**

**Moreover, the particular location and/or the arrangement selected of an elements is considered to be no more than an obvious matter of design choice to one having ordinary skill within the art, especially, since it has been held that rearranging parts of an invention involves only routine skill in the art. See In Re Japikse, 86 USPQ 70**

**Claim 23, is rejected under 35 U.S.C. 103(a) as being unpatentable over the same reference as applied to claim 1, above, and further in view of Yingling U. S. Patent No. 1,849,816 who teaches the use of wire gate (19) as a gate for a hook device assembly; see Figure 1, page 1, column 2, lines 55-59, and to form the gate in Gois, from a wire material in the manner taught, disclosed and suggested by Yingling it would have been obvious to one having ordinary skill in the art at the time the invention was made.**

**Furthermore, the particular type of material used is considered to be no more than an obvious matter of design choice within the skill in the art, since it has been held to be within the general skill of a worker in the art to select a known material on the basis of its suitability for the intended use as a matter of obvious design choice. See In Re Leshin, 125 USPQ 416.**

**Claims 7 and 15, are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.**

**The use of a plurality of references is justified since some of the limitations to which they are applied are independent of each other ; see Ex Parte Fine 1927 C. D. 84; O. G. 511.**

**The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Applicant's attention is directed to the prior art cited herein, as showing structure related to Applicant's disclosed invention.**

**Any inquiry concerning this communication or earlier communications from the examiner should be directed to VICTOR N SAKRAN whose telephone number is 703-308-2224. The examiner can normally be reached on 6:30 AM - 5:00 PM.**

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, J. J. swann can be reached on 703-308-4115. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

June 24, 2004



VICTOR N SAKRAN  
Primary Examiner  
Art Unit 3677